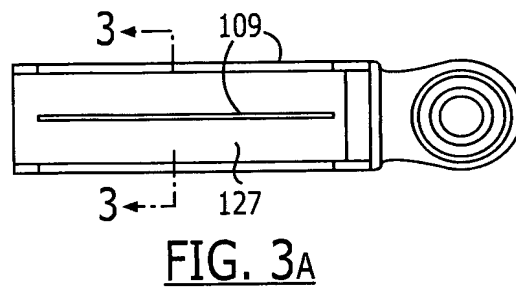
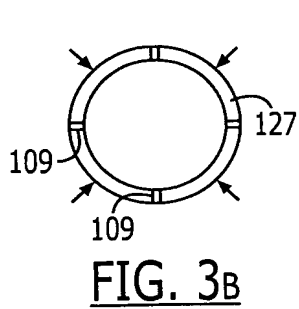
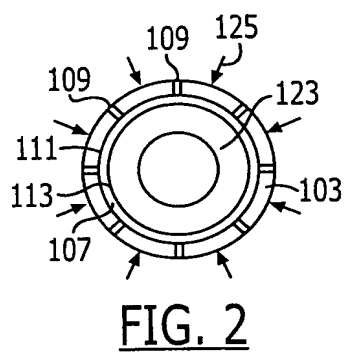
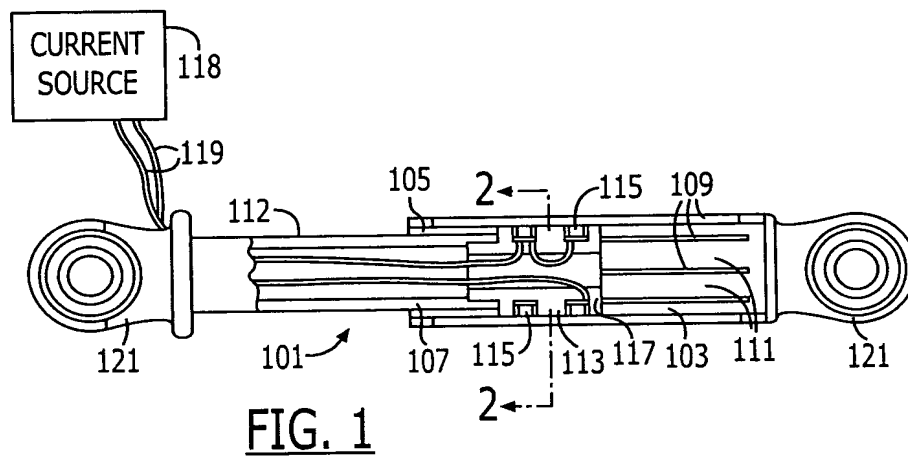
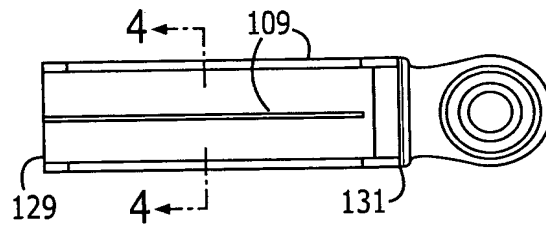


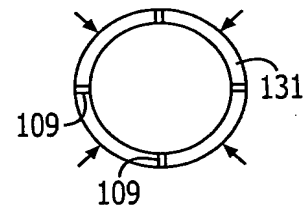


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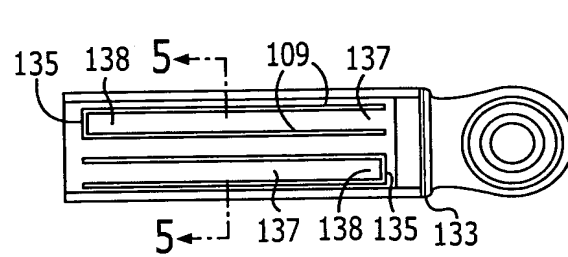




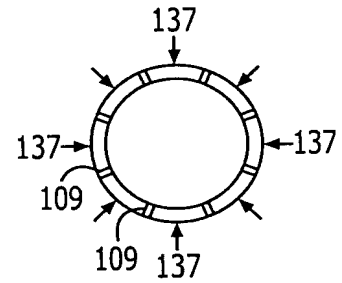
**FIG. 4A**



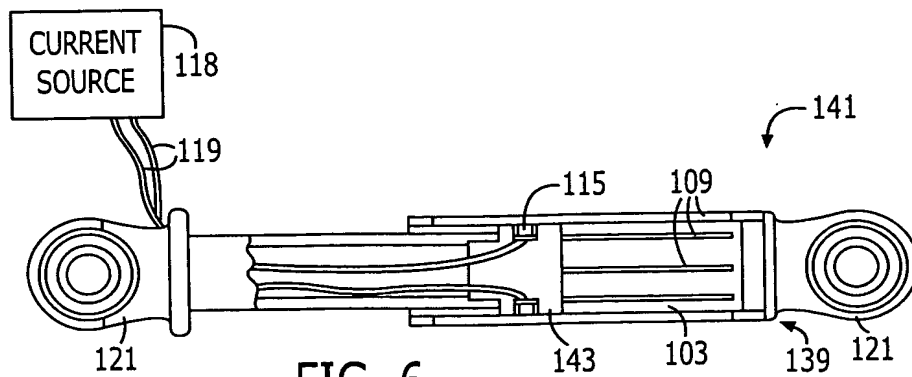
**FIG. 4B**



**FIG. 5A**



**FIG. 5B**



**FIG. 6**

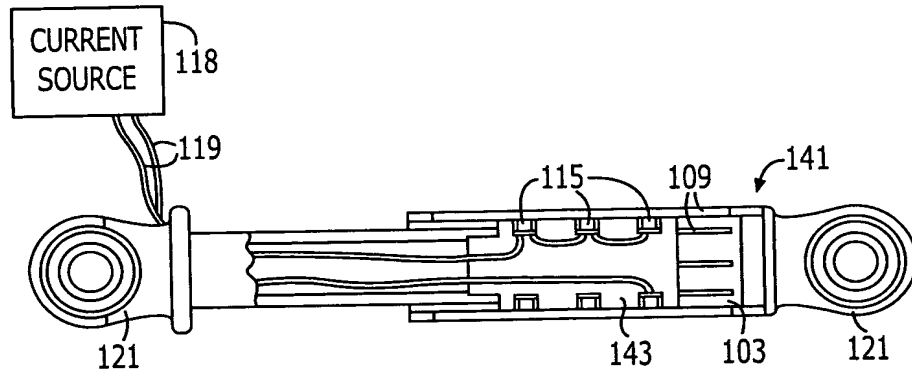


FIG. 7

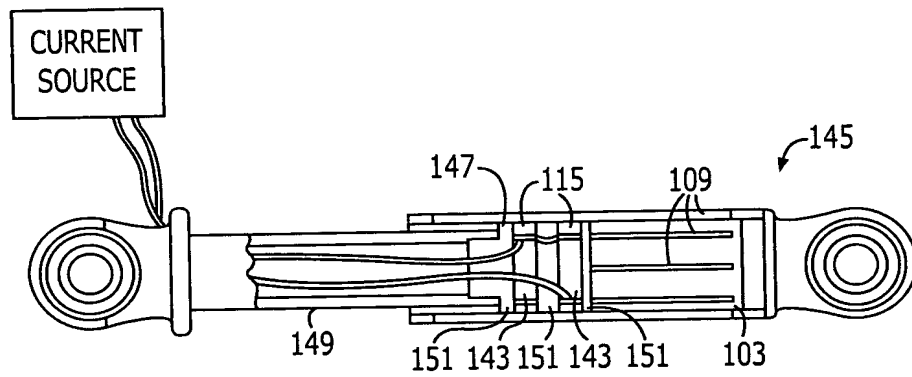


FIG. 8

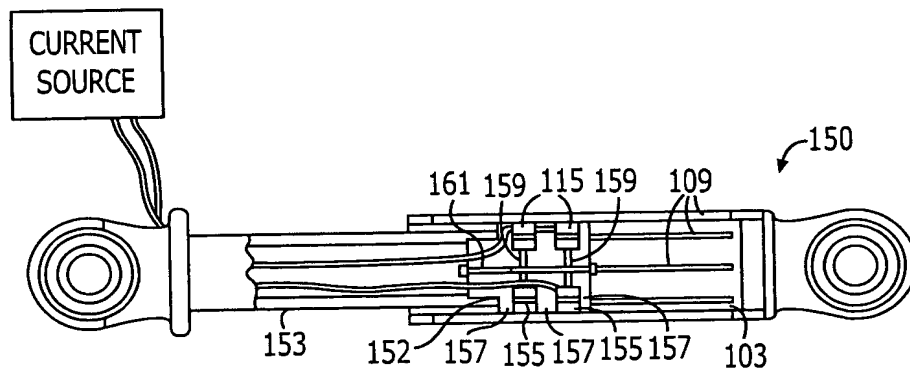


FIG. 9

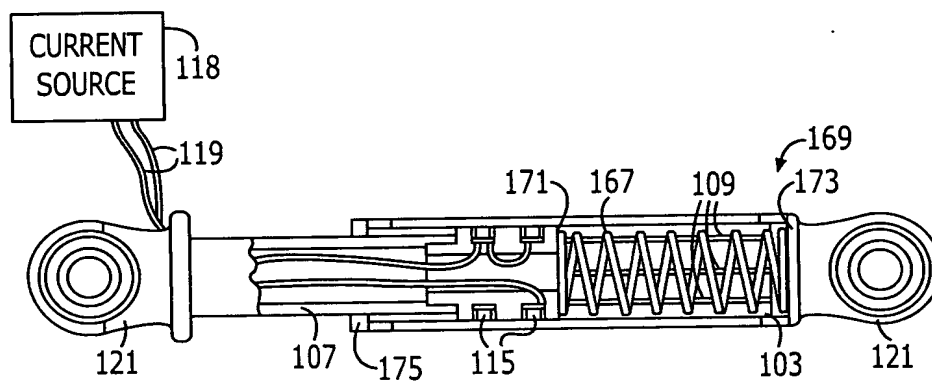


FIG. 10

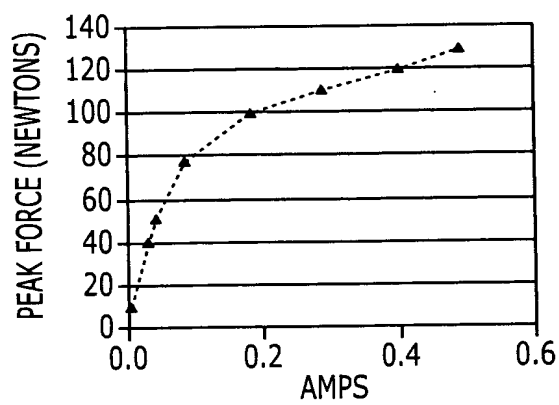
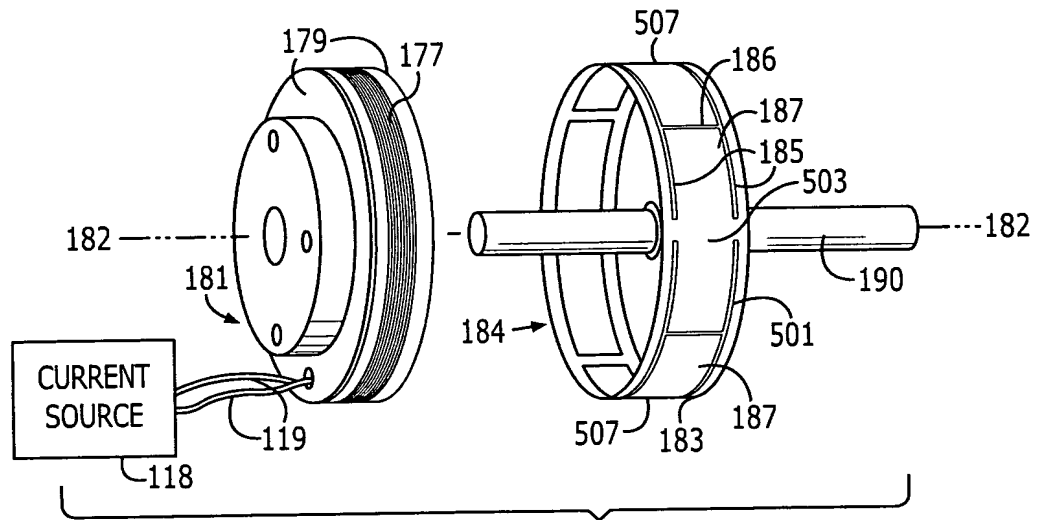
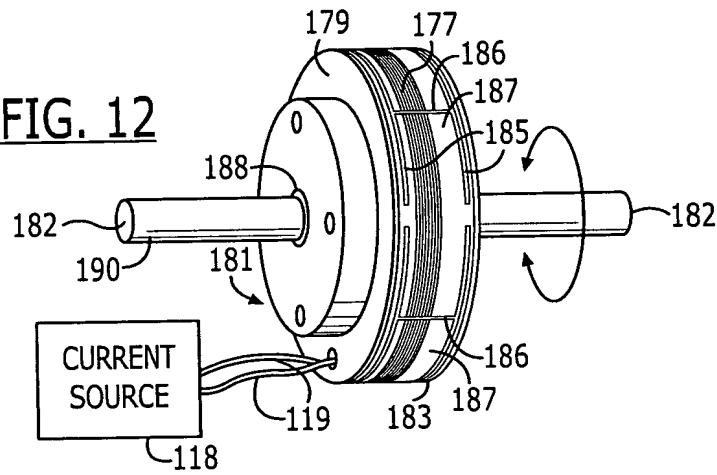
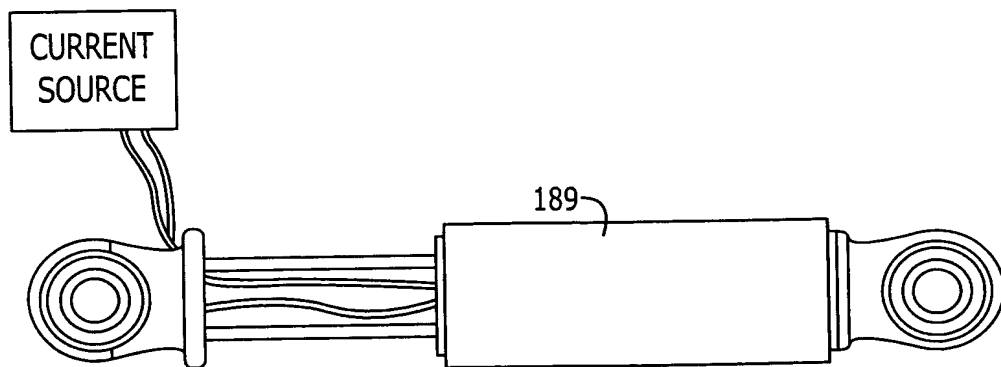


FIG. 11

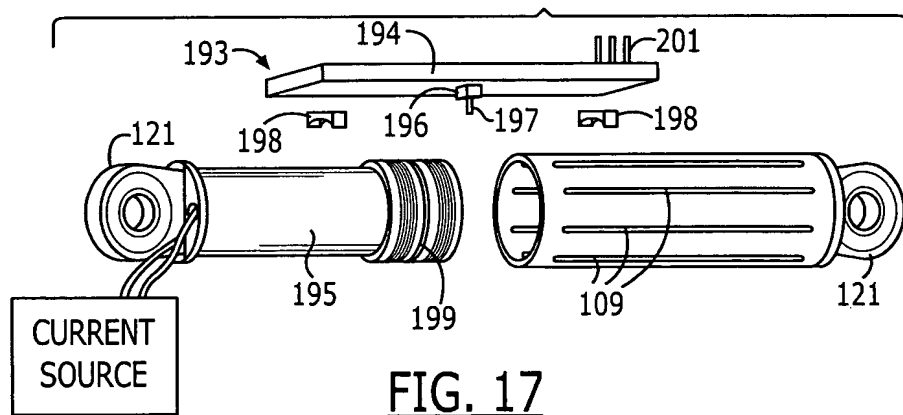
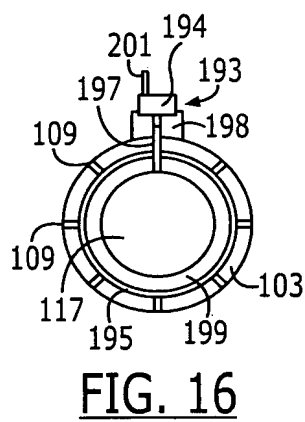
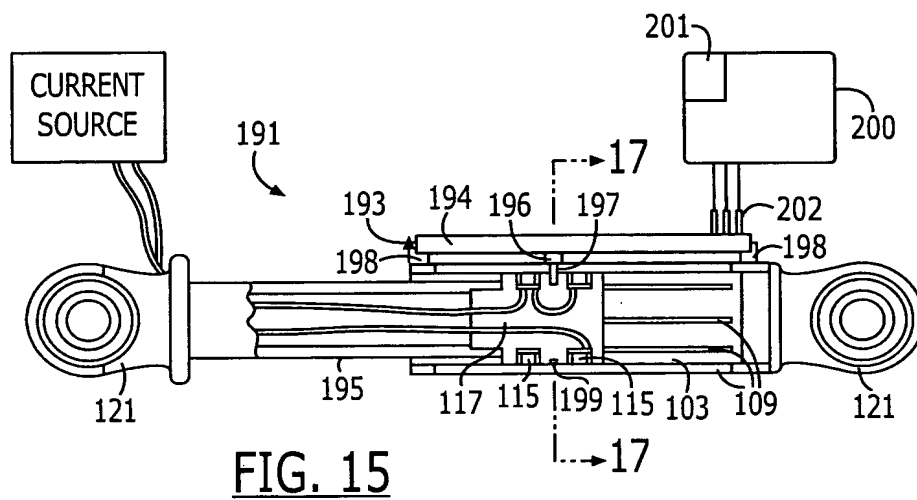
**FIG. 12**



**FIG. 13**



**FIG. 14**



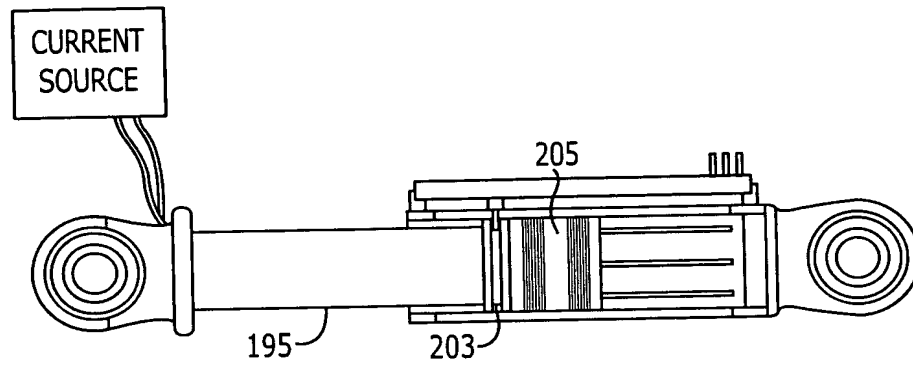


FIG. 18

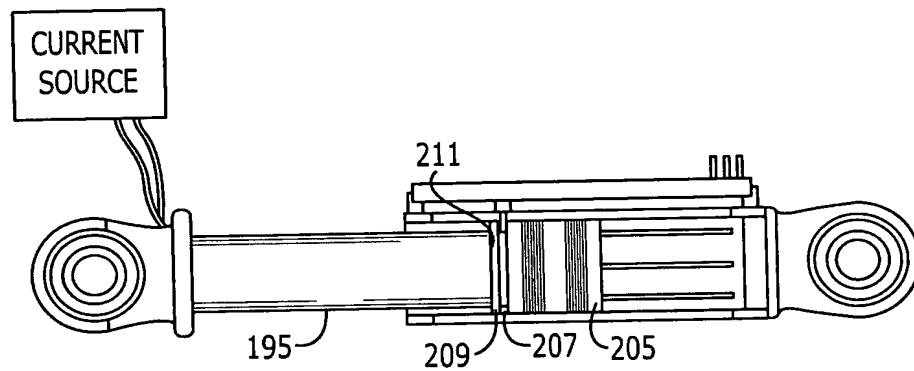


FIG. 19

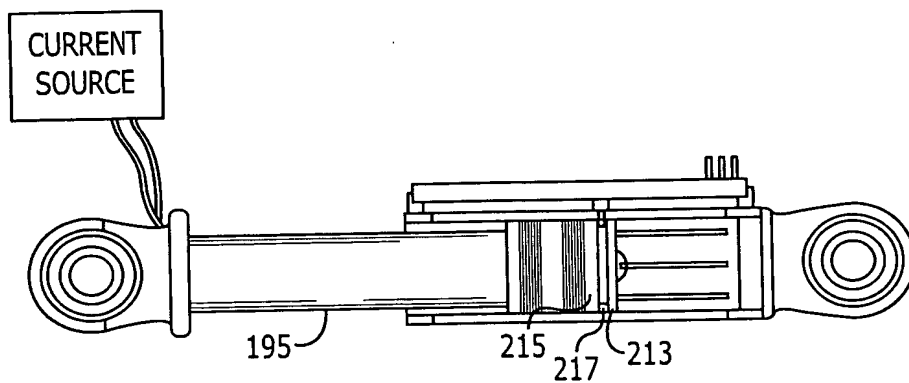


FIG. 20

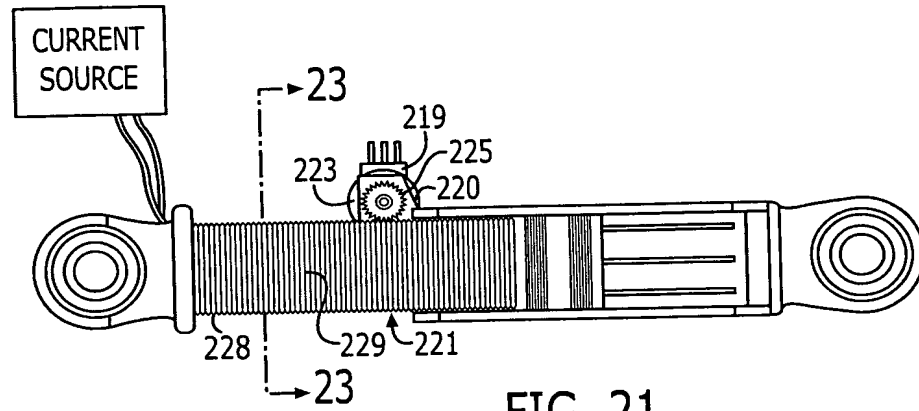


FIG. 21

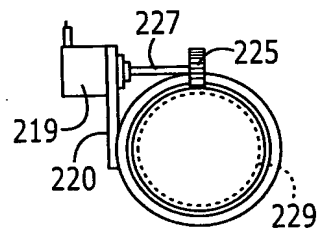


FIG. 22

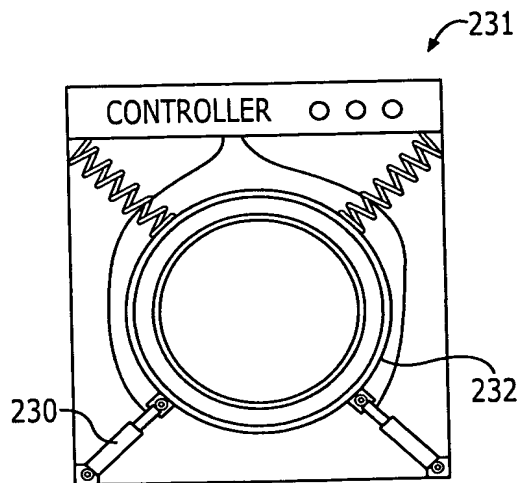


FIG. 23



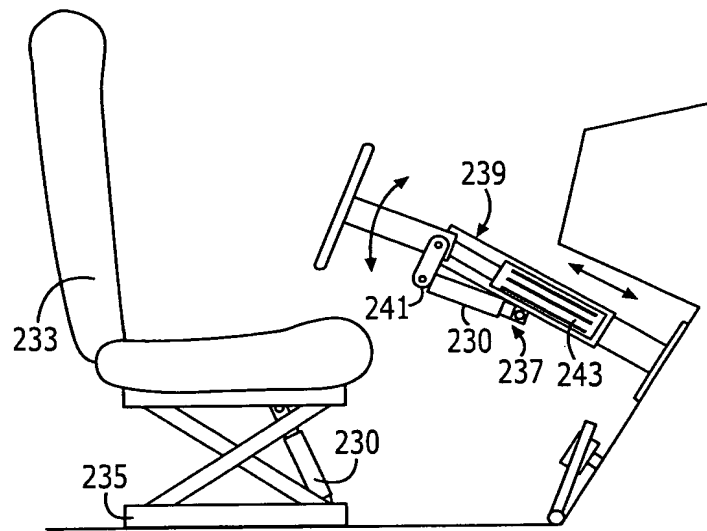


FIG. 24

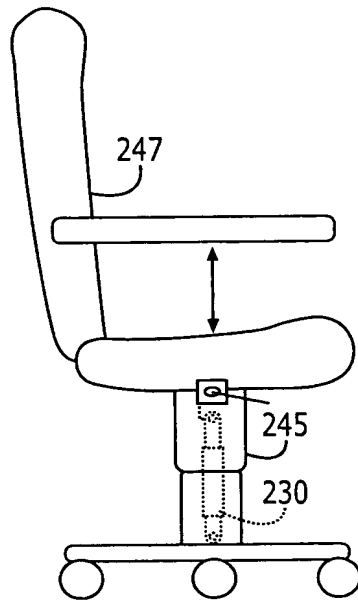


FIG. 25A

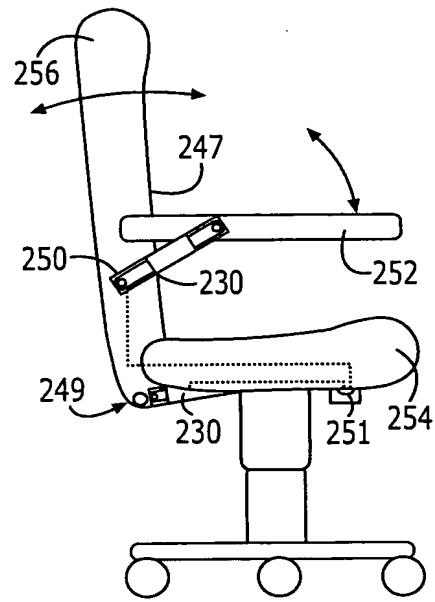


FIG. 25B

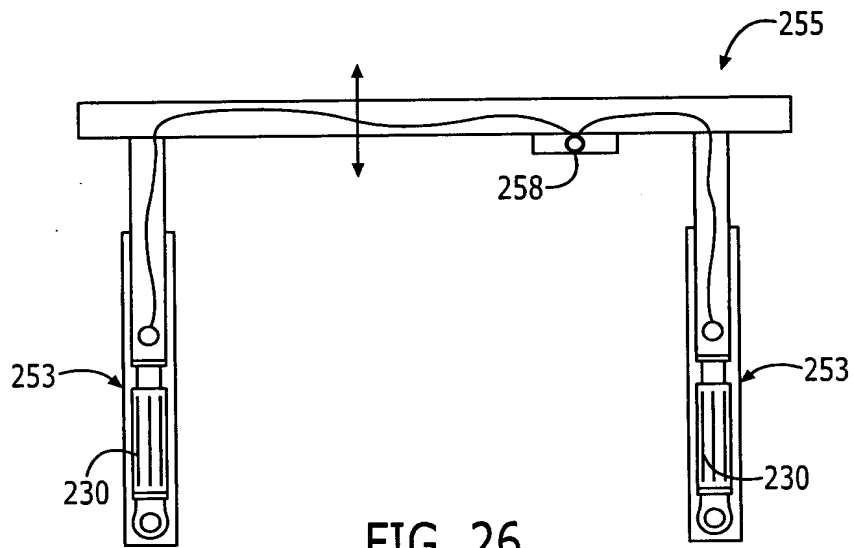


FIG. 26

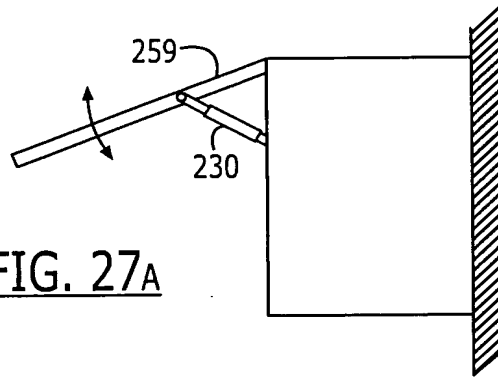


FIG. 27A

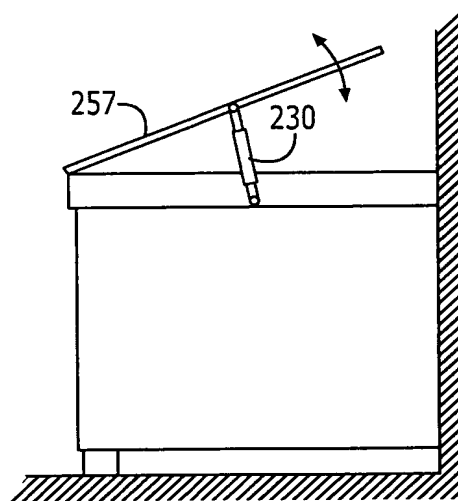


FIG. 27B

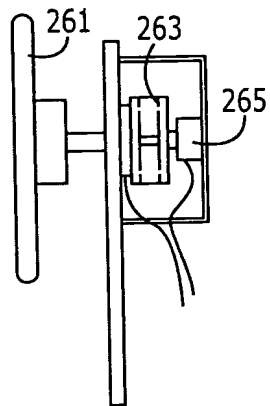


FIG. 28

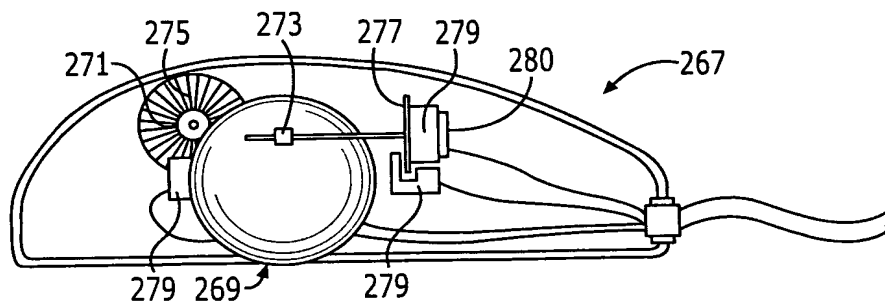
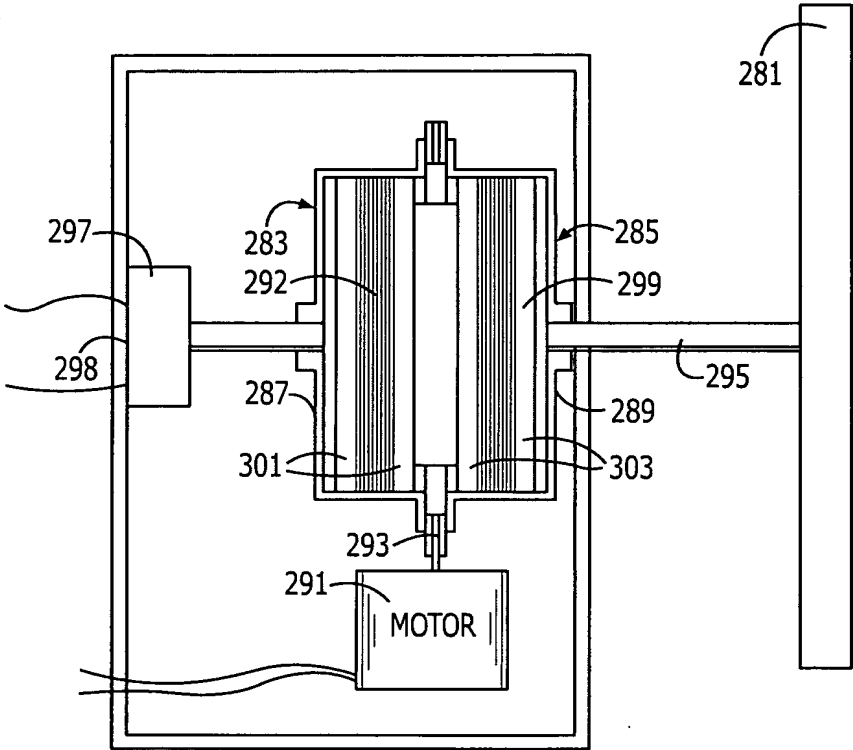
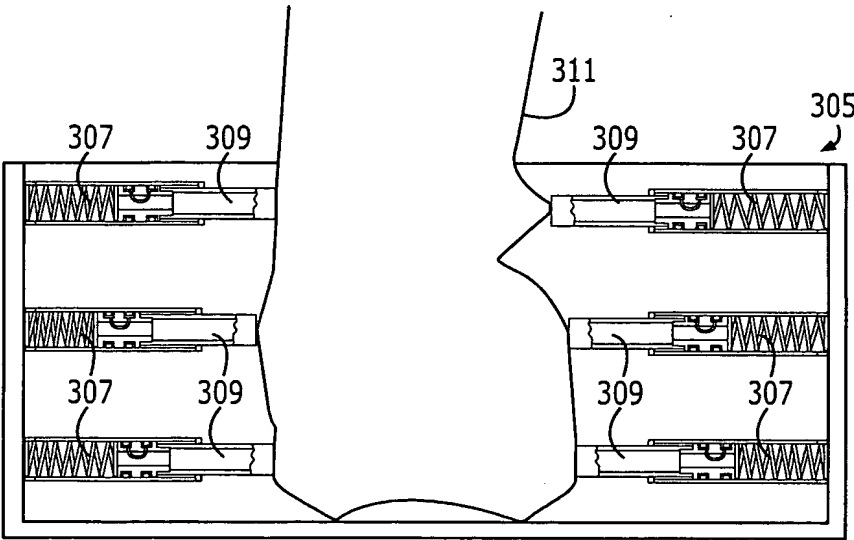


FIG. 29



**FIG. 30**



**FIG. 31**

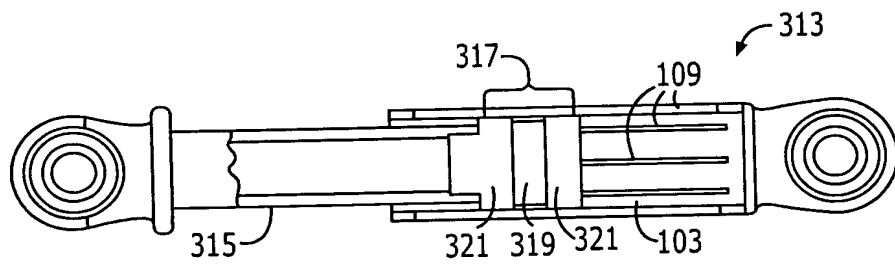


FIG. 32

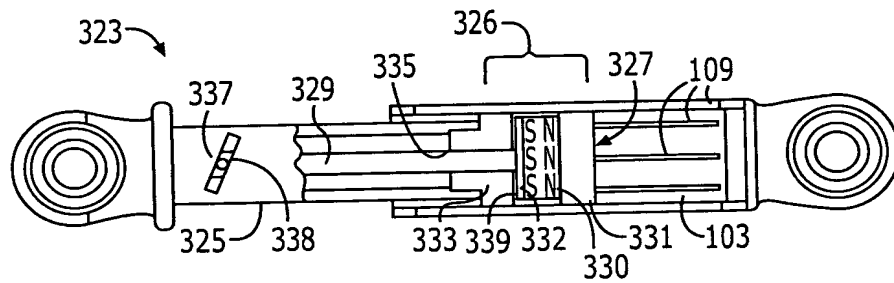


FIG. 33

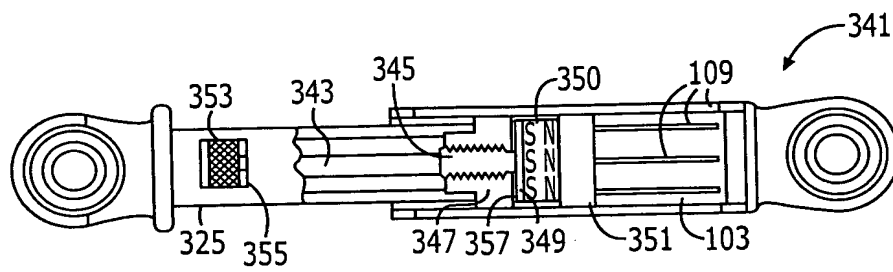


FIG. 34

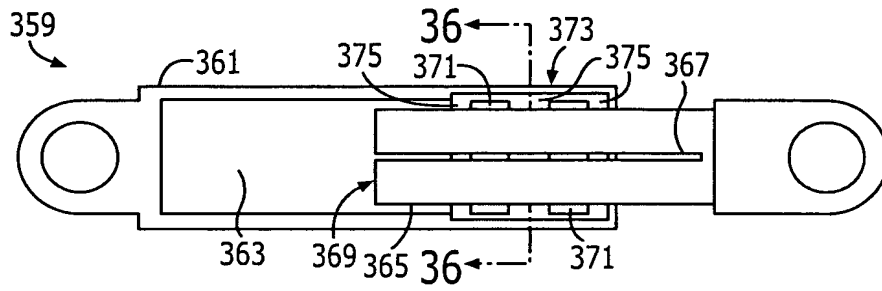


FIG. 35A

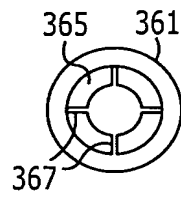


FIG. 35B

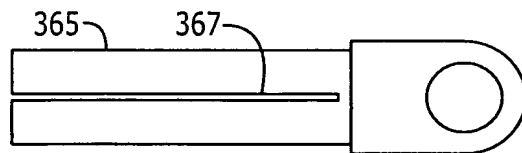


FIG. 36A

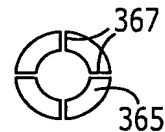


FIG. 36B

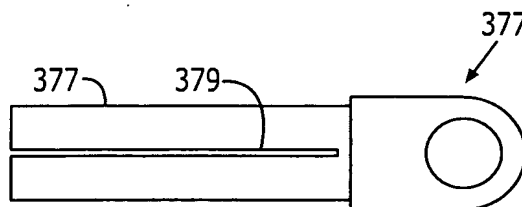


FIG. 37A

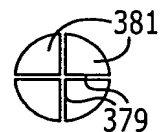
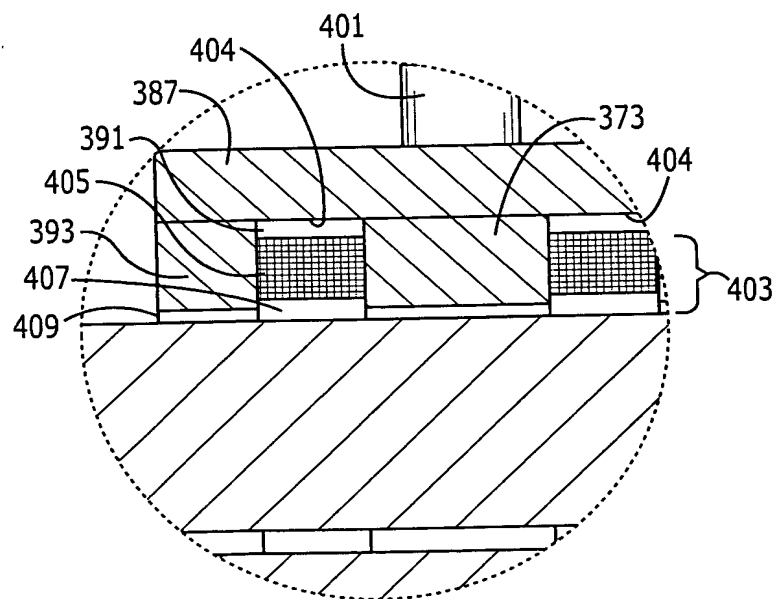
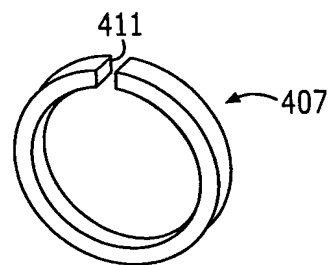
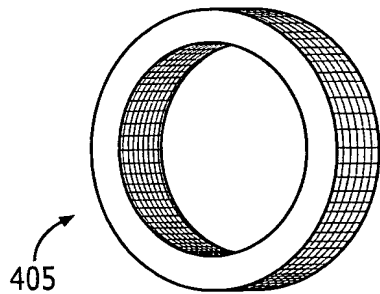
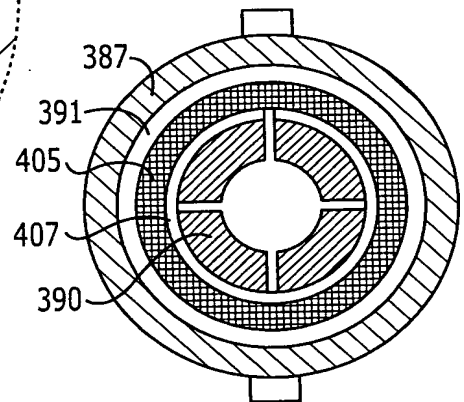
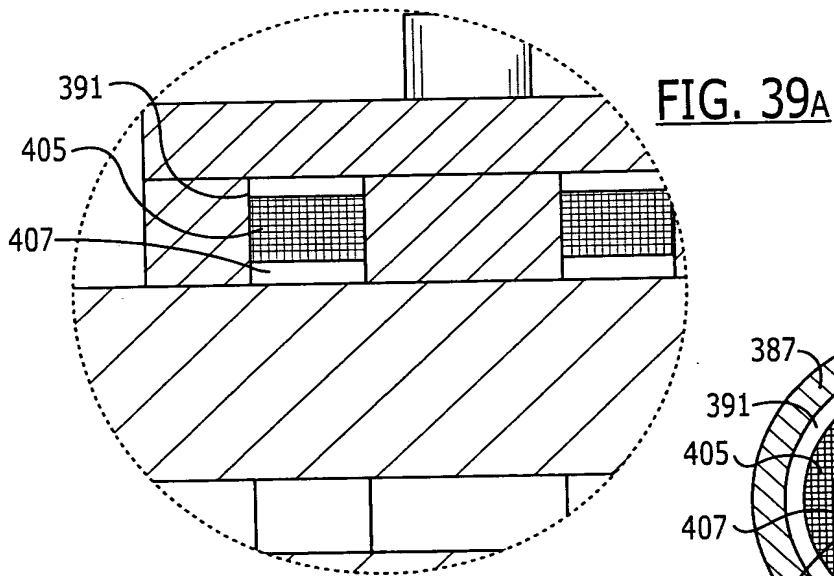
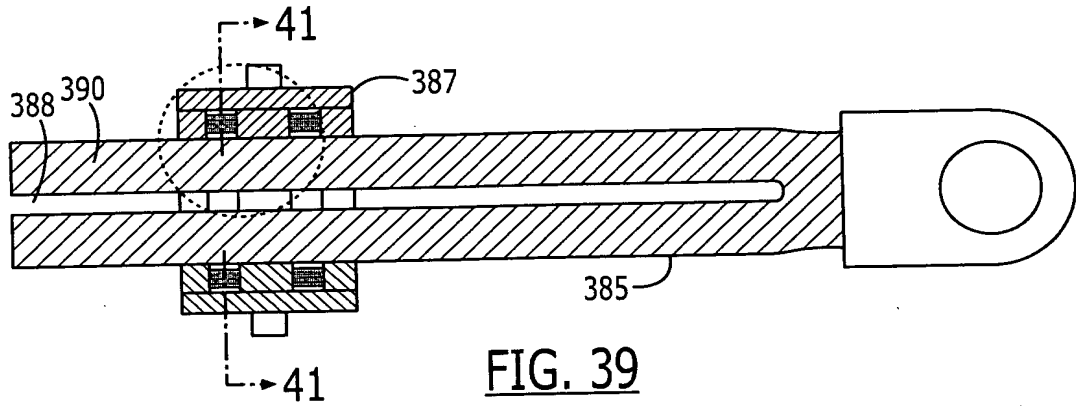
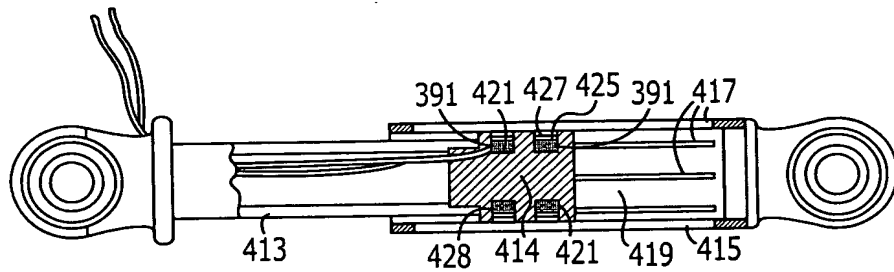


FIG. 37B

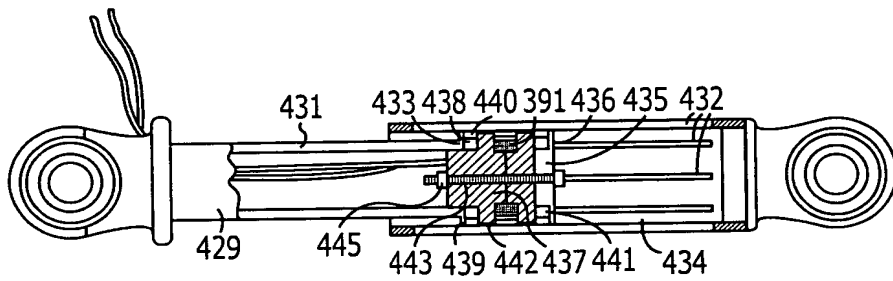








**FIG. 41**



**FIG. 42**

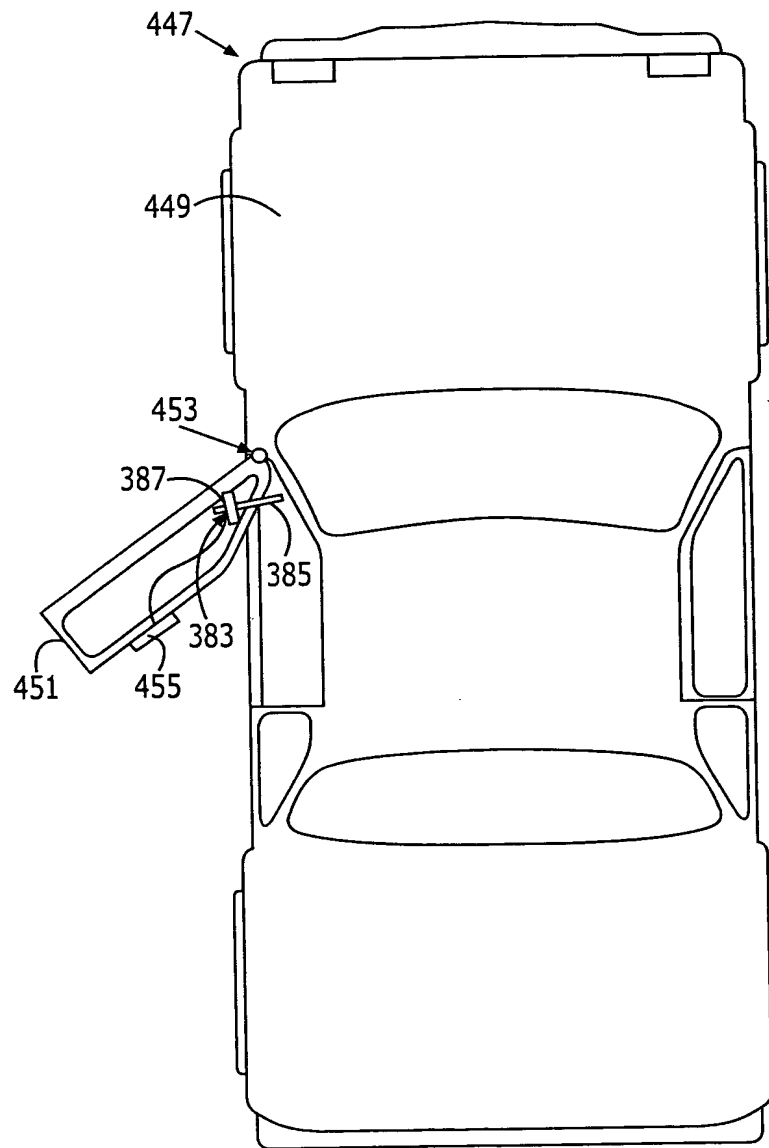


FIG. 43

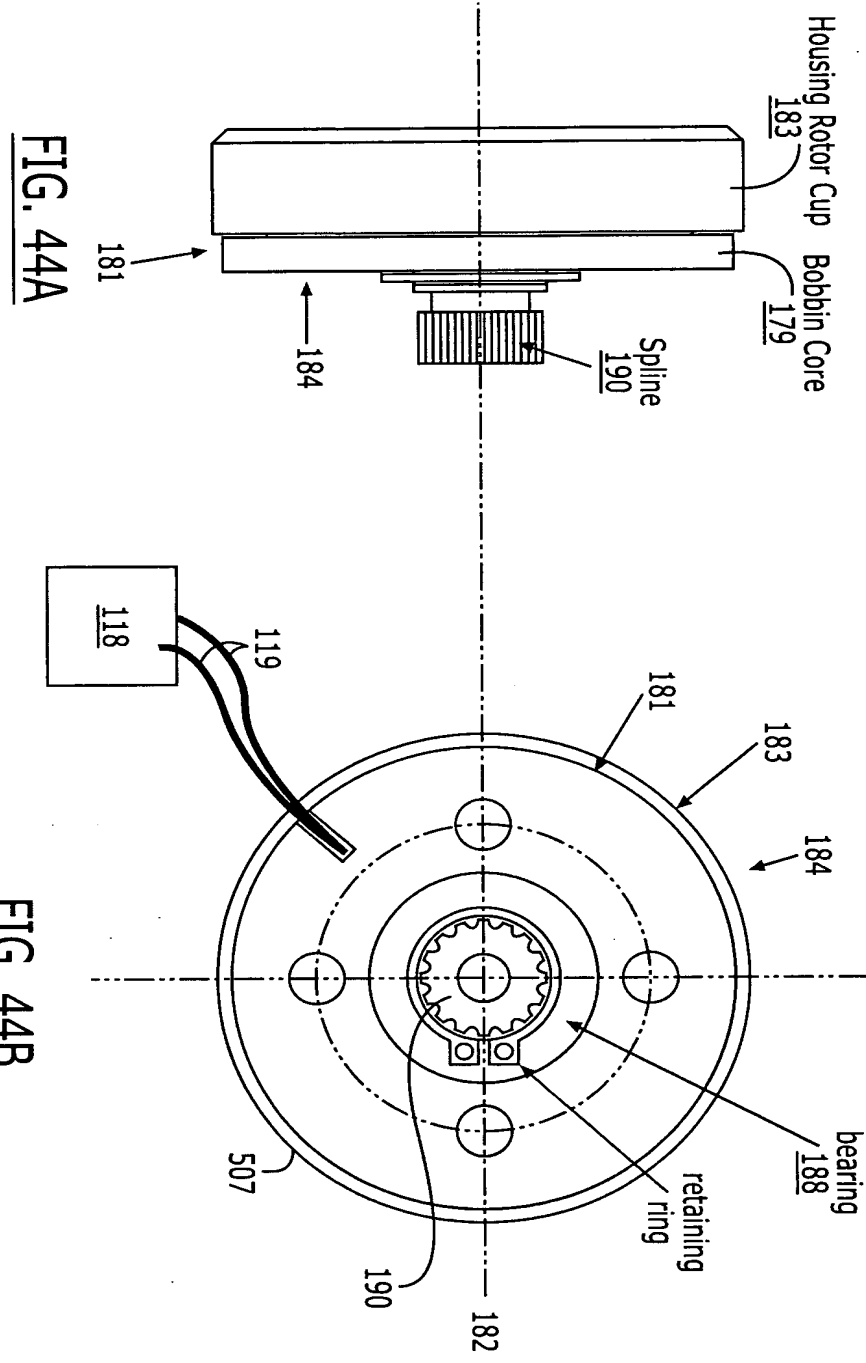
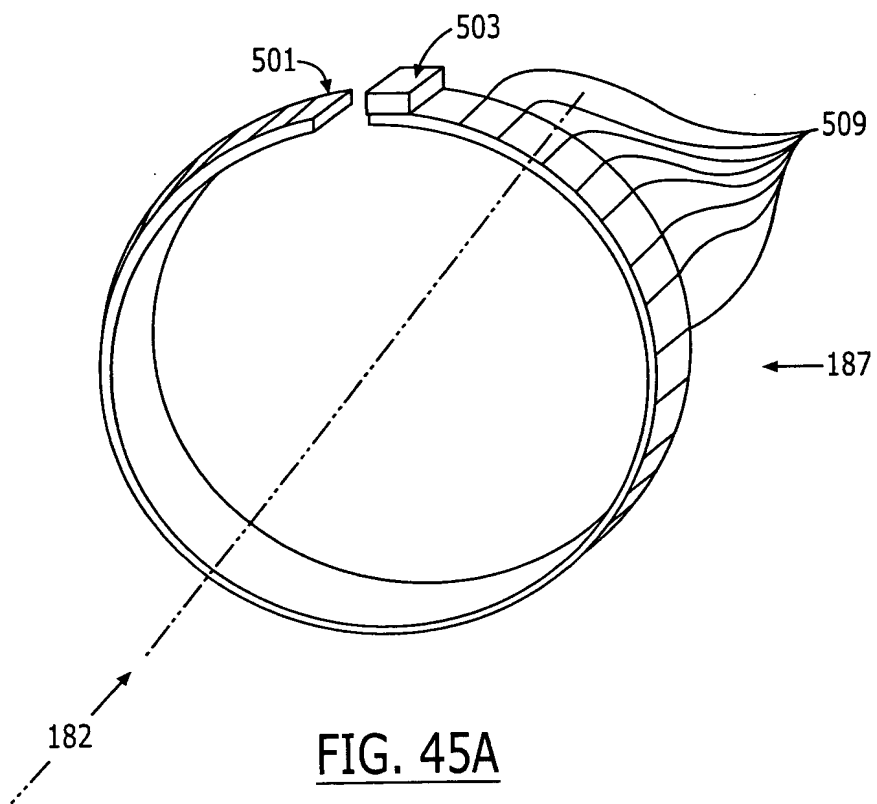
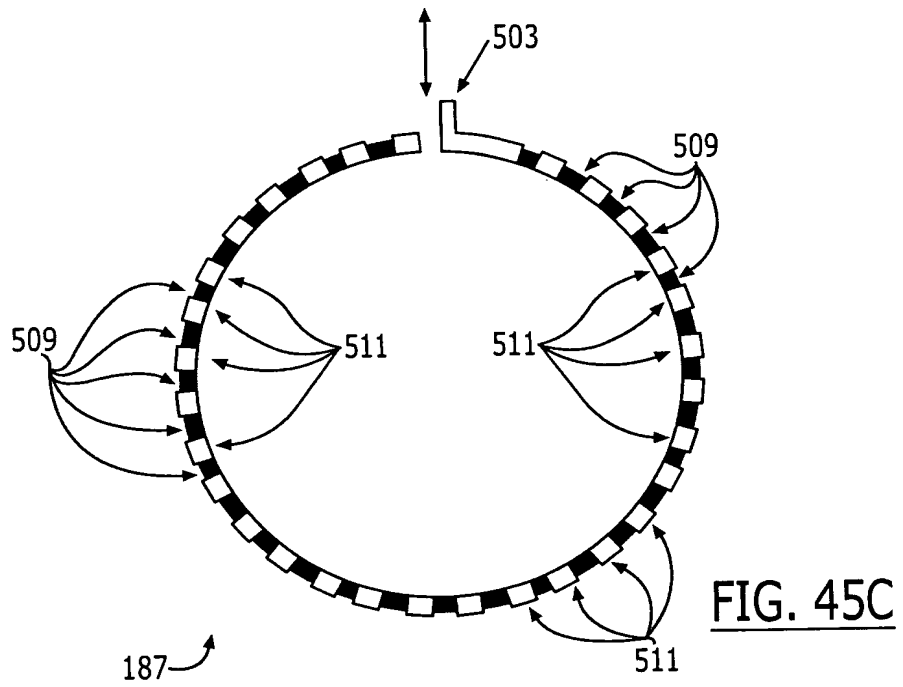
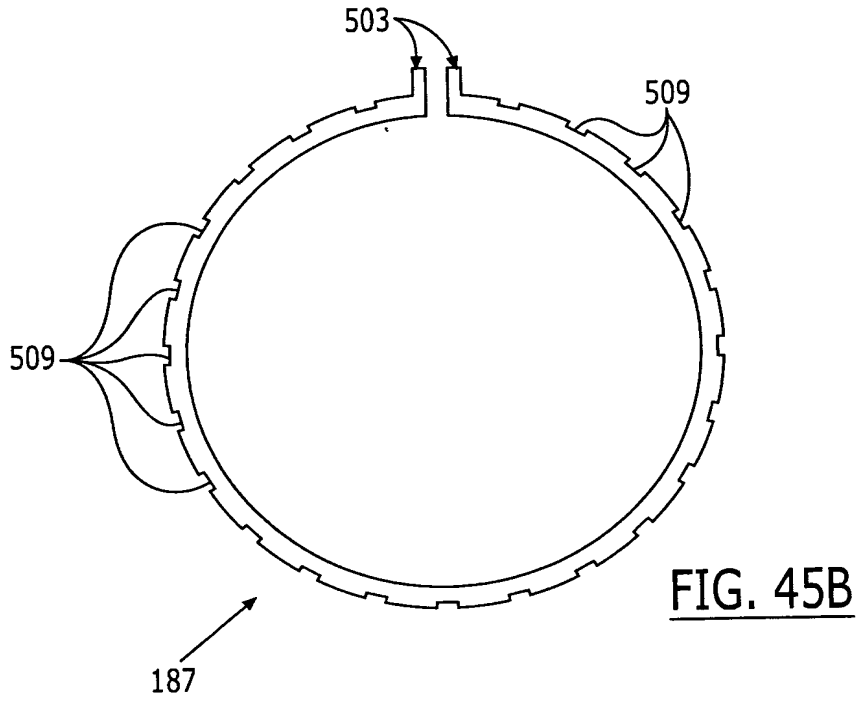


FIG. 44A

FIG. 44B







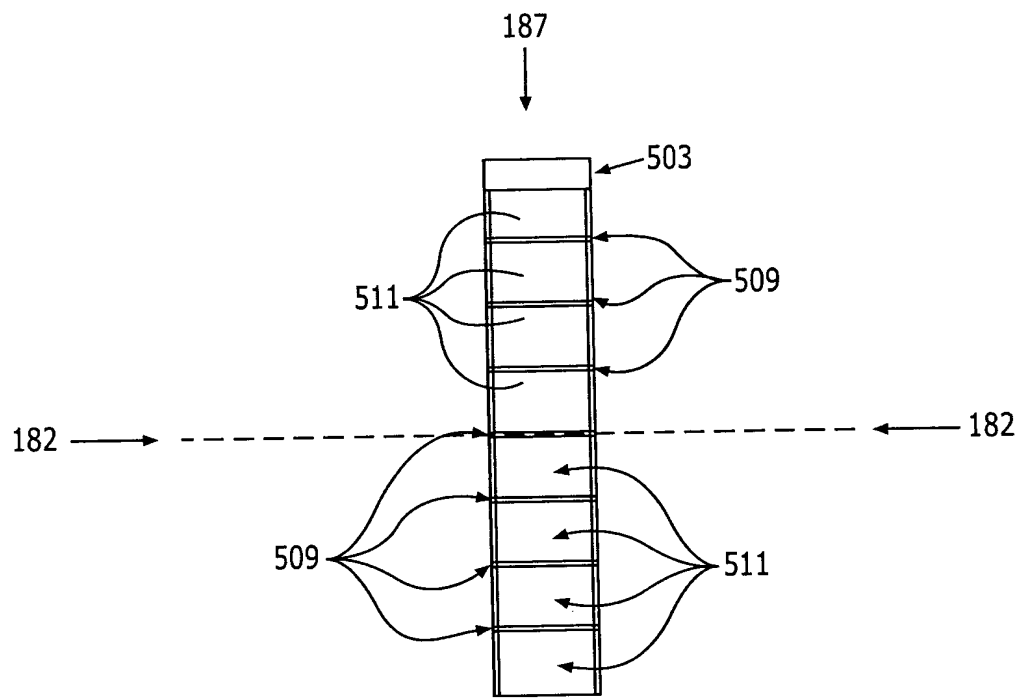


FIG. 45D

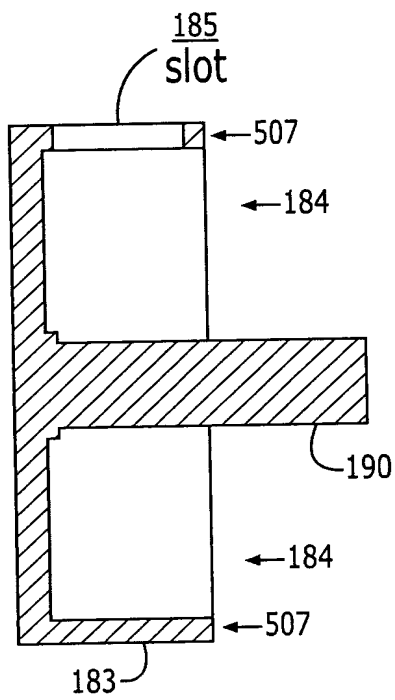


FIG. 46A

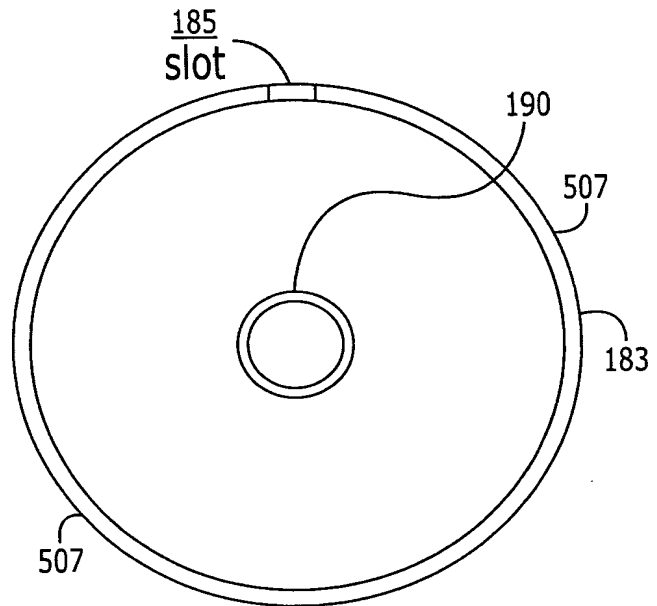


FIG. 46B

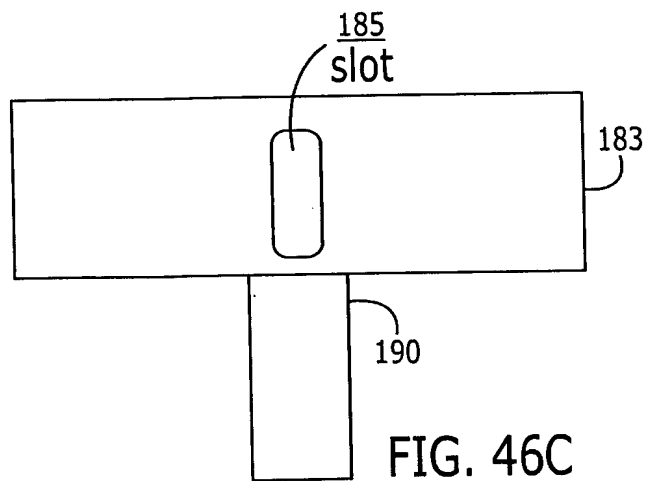
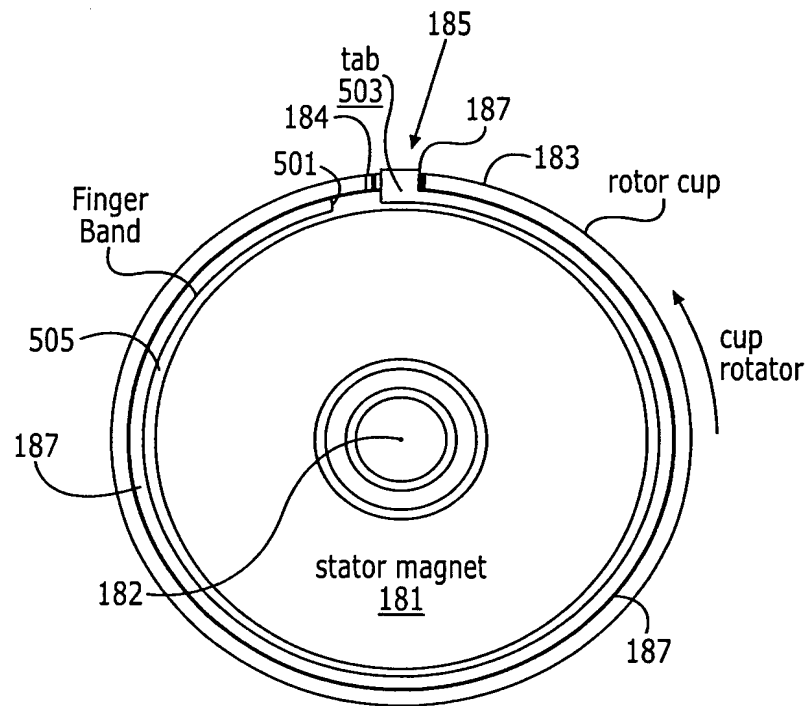


FIG. 46C

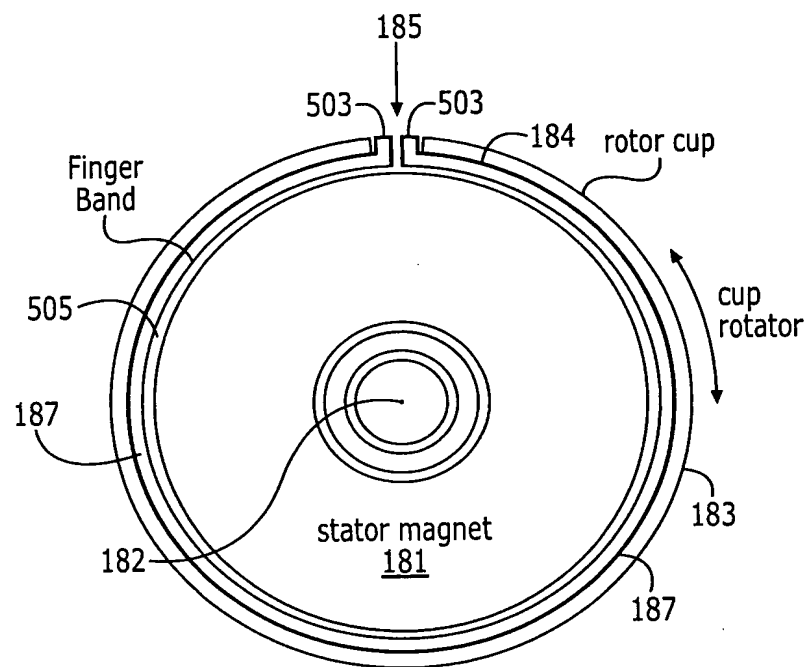




Magnet off: band releases stator and rotor turns freely

OFF-STATE CONDITION

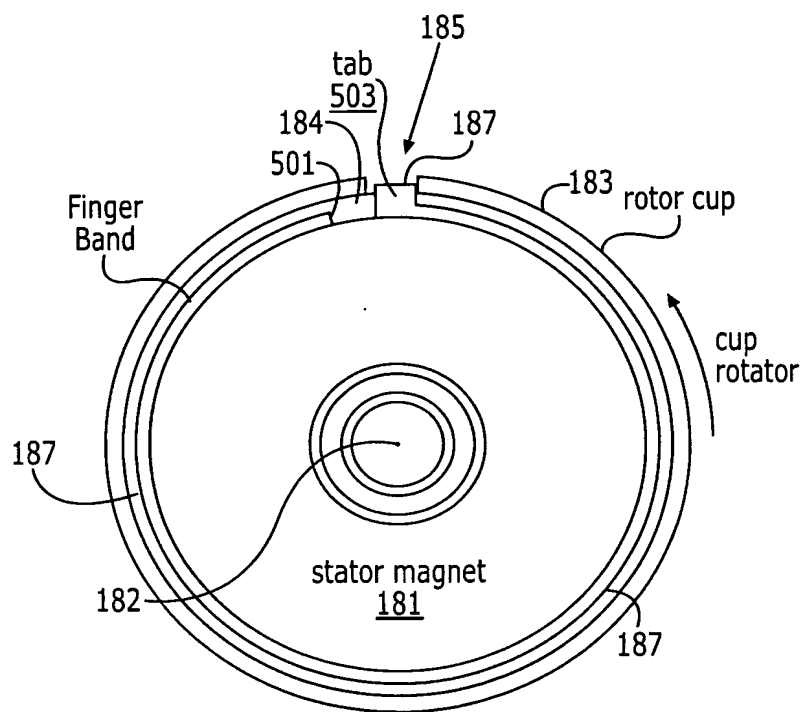
FIG. 47A



Magnet off: band releases stator and rotor turns freely

OFF-STATE CONDITION

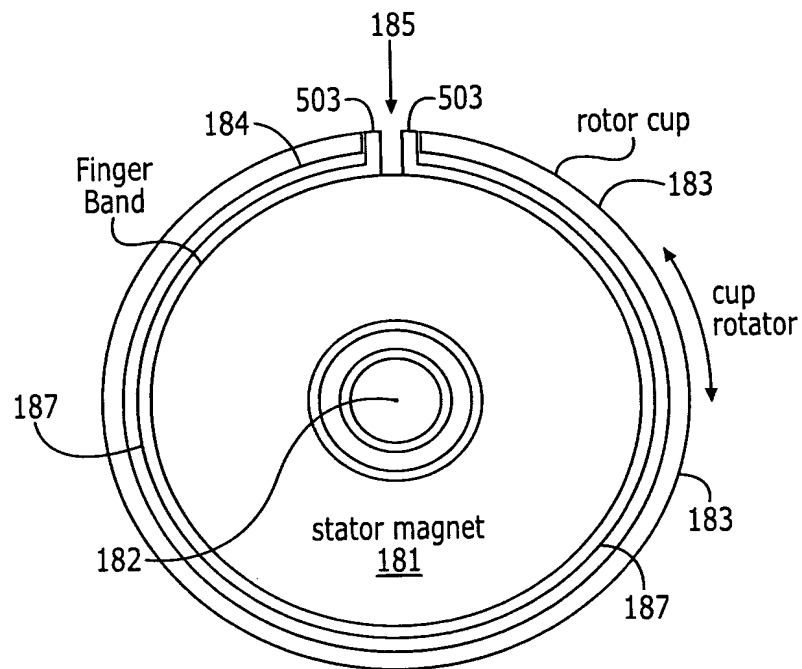
FIG. 47B



Magnet energized: band is attracted and squeezes stator magnet

ON-STATE CONDITION

FIG. 48A



Magnet energized: band is attracted and squeezes stator magnet

ON-STATE CONDITION

FIG. 48B

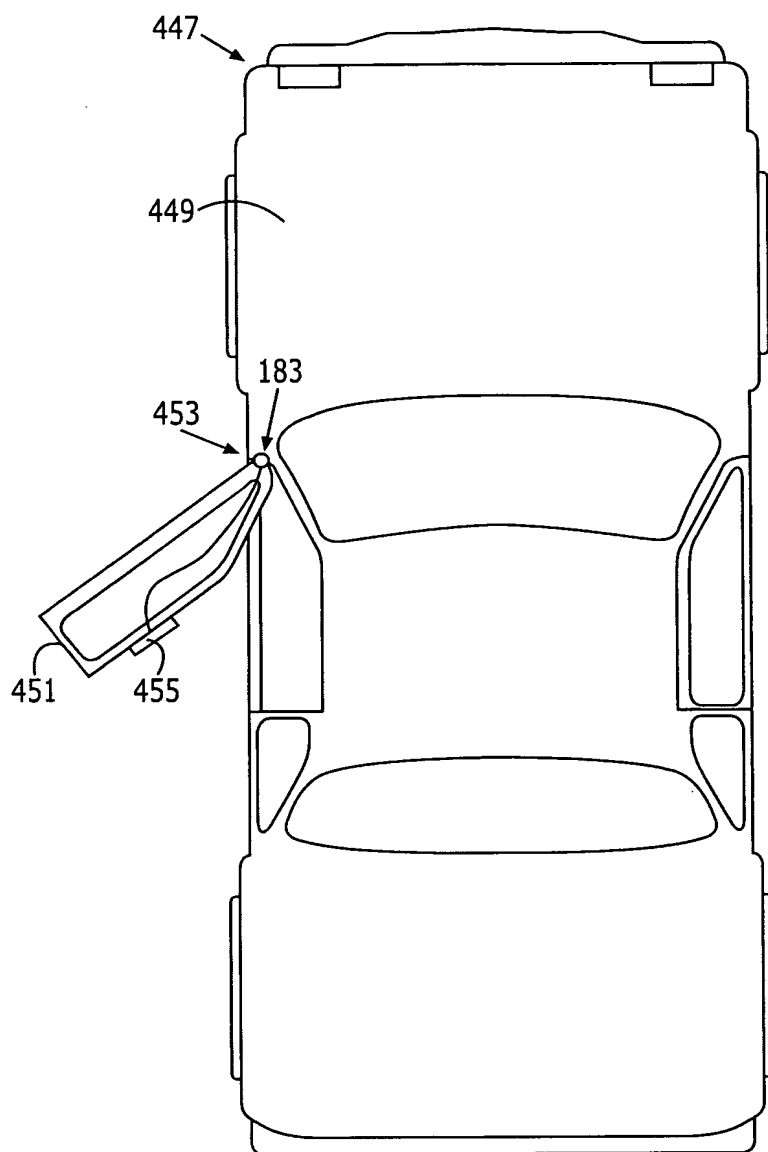


FIG. 49A

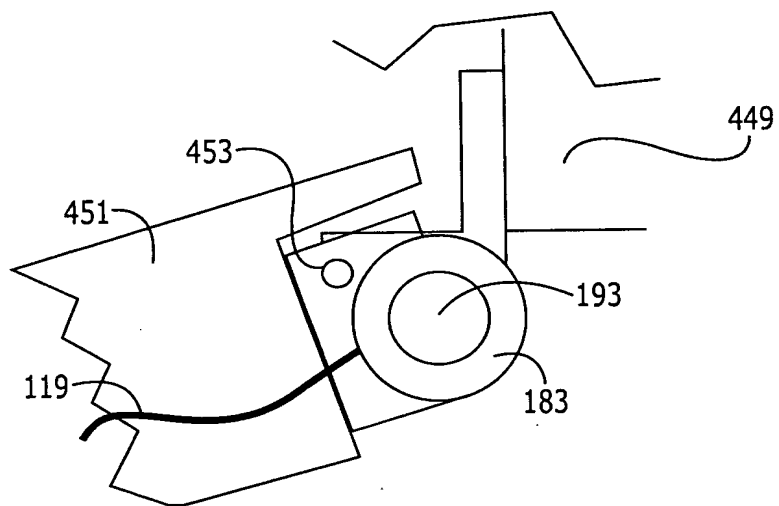


FIG. 49B

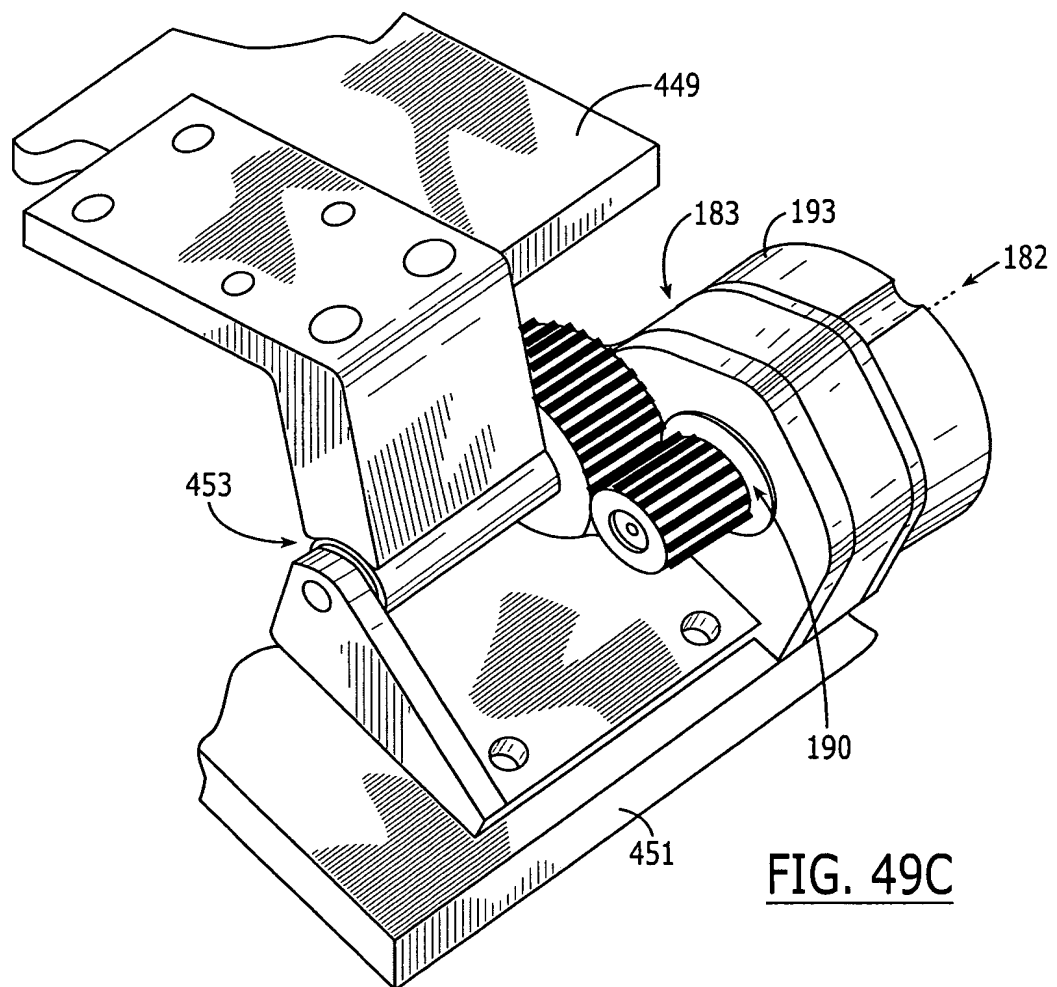
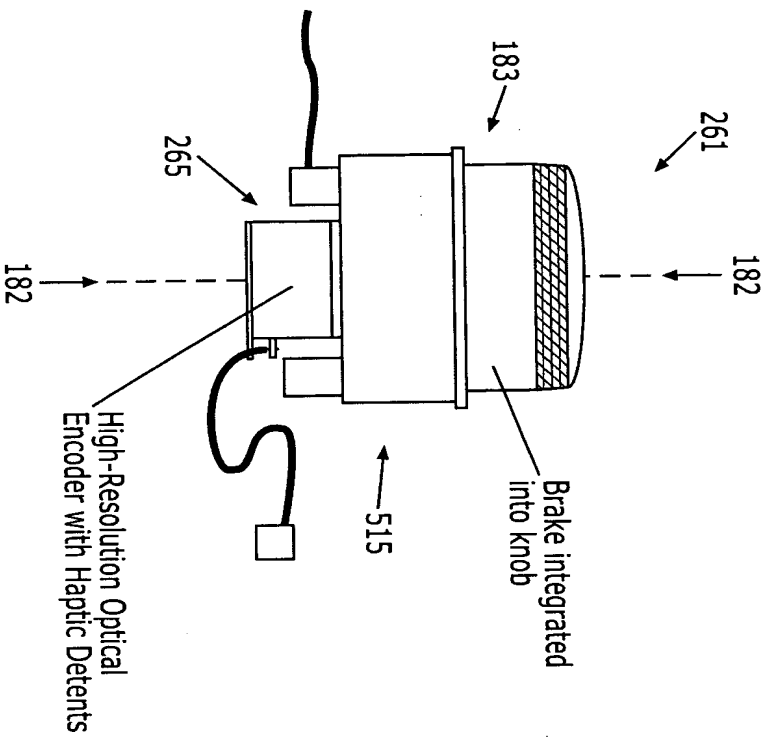
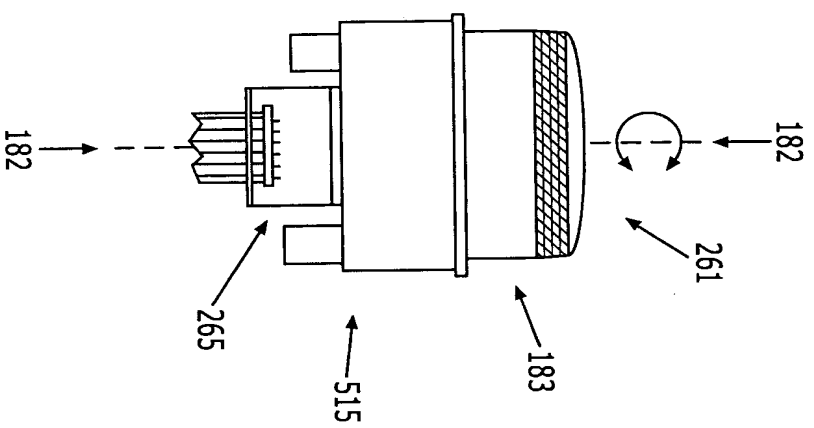


FIG. 49C

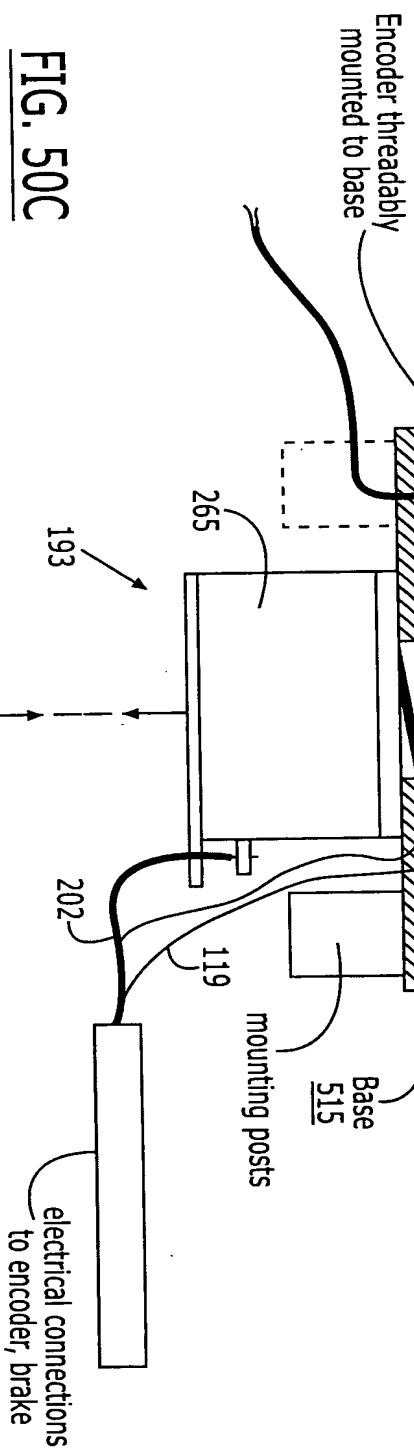


**FIG. 50A**



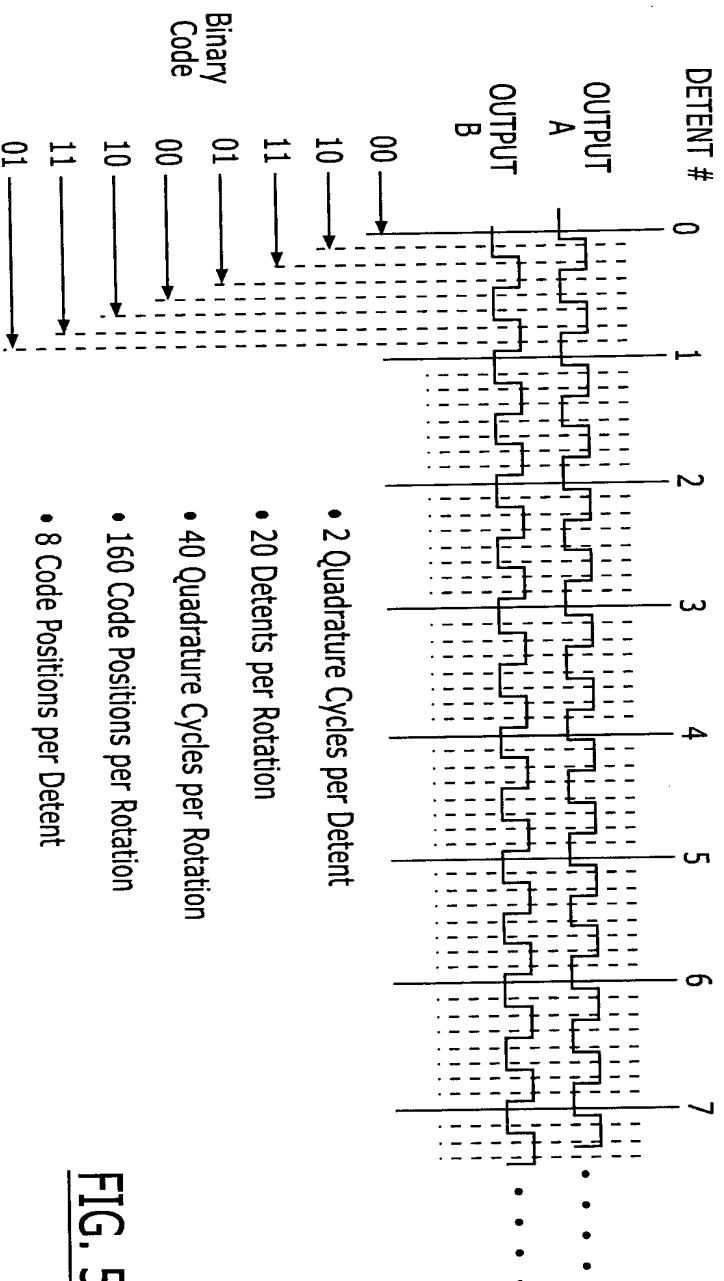
**FIG. 50B**



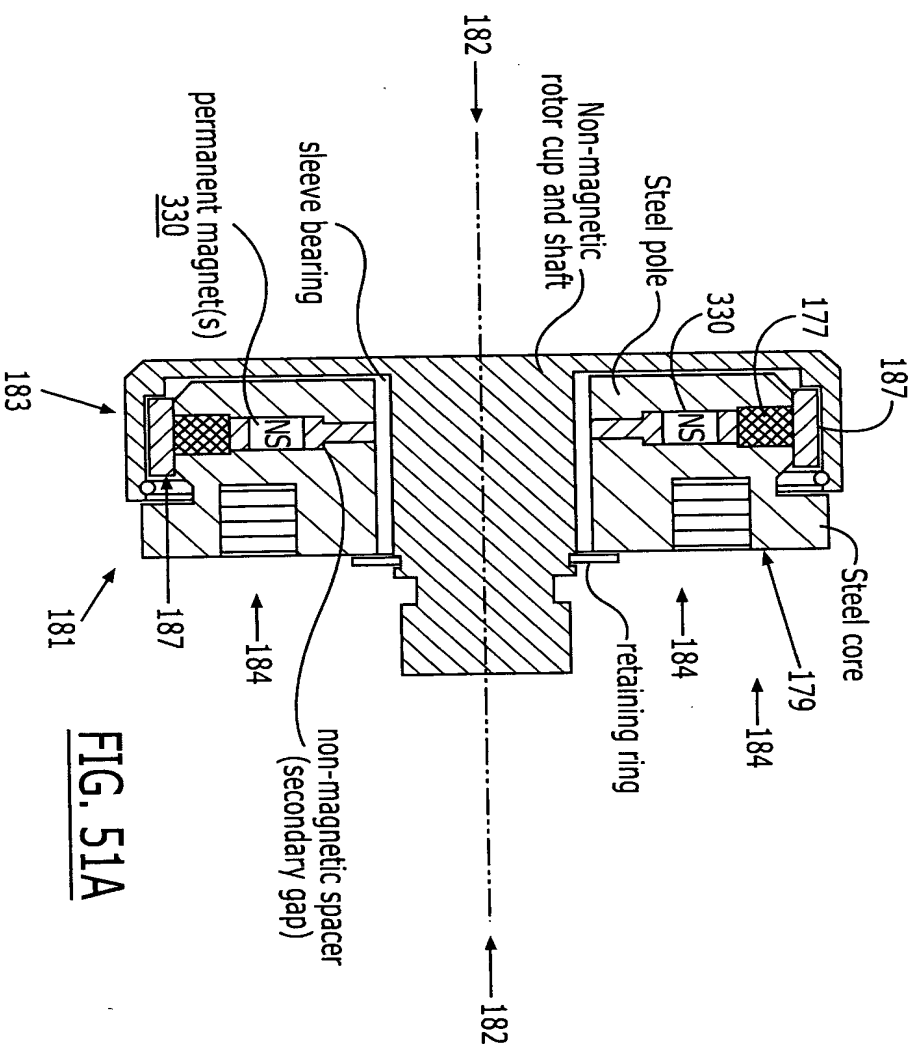


## Stops, Optical Code and Detent Relationship

HARD STOPS  
may be created  
at any position



**FIG. 50D**



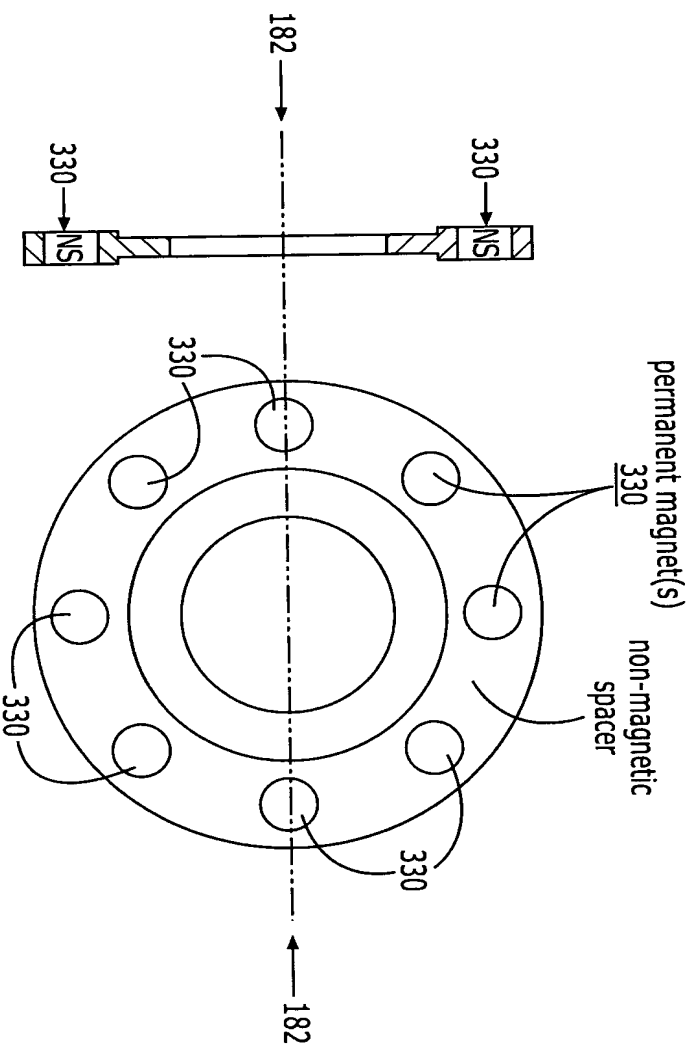
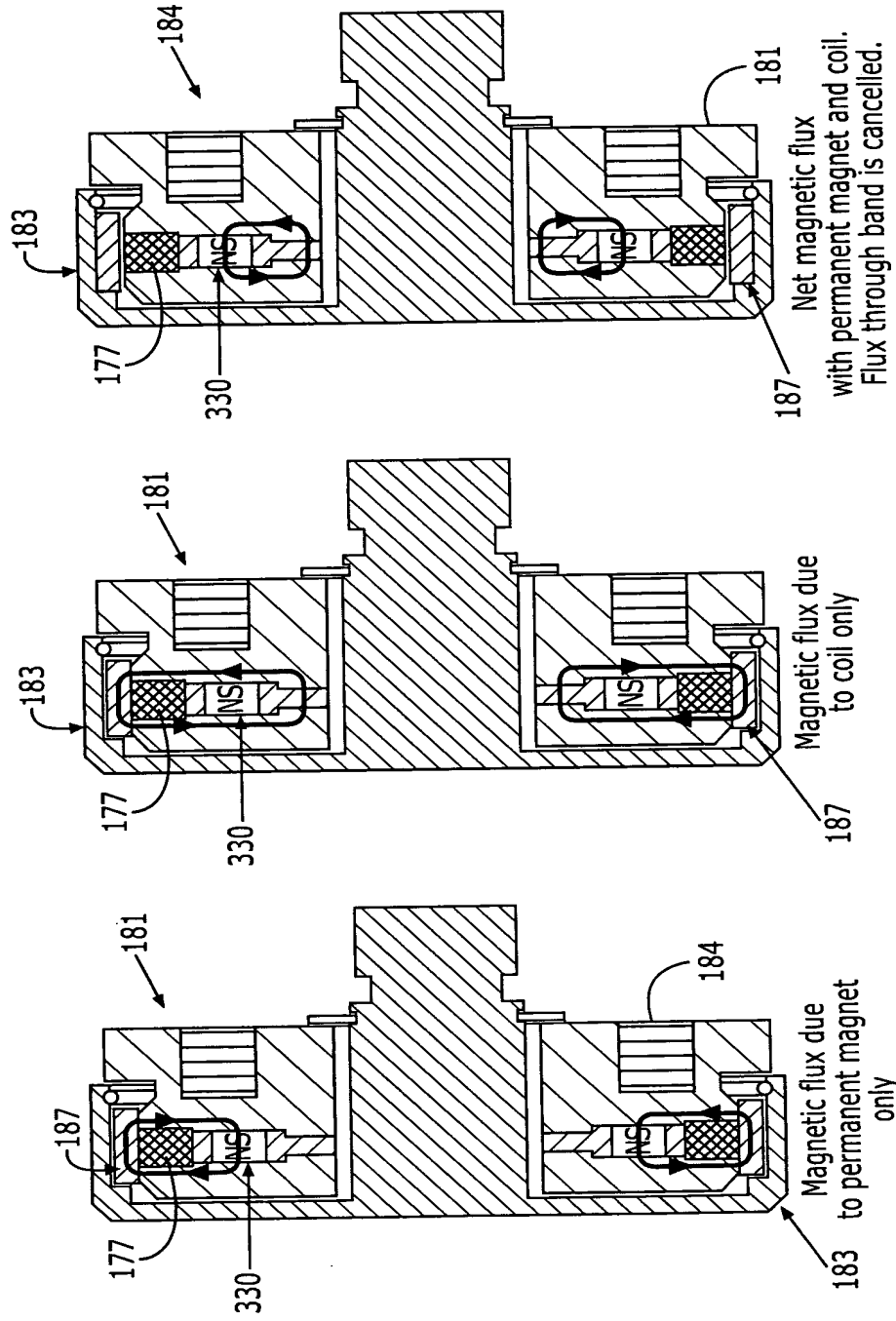


FIG. 51B

FIG. 51C



**FIG. 51F**

**FIG. 51E**

**FIG. 51D**